



1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/479,252A

DATE: 01/21/2004

TIME: 15:05:21

Input Set : A:\P0978P3C1.txt  
 Output Set: N:\CRF4\01202004\I479252A.raw

3 <110> APPLICANT: Ashkenazi, Avi J.  
 4 Schwall, Ralph H.  
 6 <120> TITLE OF INVENTION: Apo-2 Ligand  
 8 <130> FILE REFERENCE: P0978P3C1  
 10 <140> CURRENT APPLICATION NUMBER: US 09/479,252A  
 11 <141> CURRENT FILING DATE: 2000-01-07  
 13 <150> PRIOR APPLICATION NUMBER: US 09/060,533  
 14 <151> PRIOR FILING DATE: 1998-04-15  
 16 <150> PRIOR APPLICATION NUMBER: US 09/007,886  
 17 <151> PRIOR FILING DATE: 1998-01-15  
 19 <150> PRIOR APPLICATION NUMBER: US 08/780,496  
 20 <151> PRIOR FILING DATE: 1997-01-08  
 22 <150> PRIOR APPLICATION NUMBER: US 60/009,755  
 23 <151> PRIOR FILING DATE: 1996-01-09  
 25 <160> NUMBER OF SEQ ID NOS: 17  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 281  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Homo sapiens  
 32 <400> SEQUENCE: 1  
 33 Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr  
 34 1 5 10 15  
 36 Cys Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys  
 37 20 25 30  
 39 Val Ala Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met  
 40 35 40 45  
 42 Gln Asp Lys Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu  
 43 50 55 60  
 45 Asp Asp Ser Tyr Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser  
 46 65 70 75  
 48 Pro Cys Trp Gln Val Lys Trp Gln Leu Arg Gln Leu Val Arg Lys  
 49 80 85 90  
 51 Met Ile Leu Arg Thr Ser Glu Glu Thr Ile Ser Thr Val Gln Glu  
 52 95 100 105  
 54 Lys Gln Gln Asn Ile Ser Pro Leu Val Arg Glu Arg Gly Pro Gln  
 55 110 115 120  
 57 Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly Arg Ser Asn Thr  
 58 125 130 135  
 60 Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala Leu Gly Arg Lys  
 61 140 145 150  
 63 Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His Ser Phe Leu Ser  
 64 155 160 165  
 66 Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile His Glu Lys Gly

ENTERED

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67	170	175	180				
69	Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr	Phe Arg Phe Gln Glu	Glu				
70	185	190	195				
72	Ile Lys Glu Asn Thr Lys Asn Asp Lys	Gln Met Val Gln Tyr	Ile				
73	200	205	210				
75	Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro	Ile Leu Leu Met Lys	Ser				
76	215	220	225				
78	Ala Arg Asn Ser Cys Trp Ser Lys Asp	Ala Glu Tyr Gly Leu	Tyr				
79	230	235	240				
81	Ser Ile Tyr Gln Gly Gly Ile Phe Glu	Leu Lys Glu Asn Asp	Arg				
82	245	250	255				
84	Ile Phe Val Ser Val Thr Asn Glu His	Leu Ile Asp Met Asp	His				
85	260	265	270				
87	Glu Ala Ser Phe Phe Gly Ala Phe Leu	Val Gly					
88	275	280					
90	<210> SEQ ID NO: 2						
91	<211> LENGTH: 1042						
92	<212> TYPE: DNA						
93	<213> ORGANISM: Homo sapiens						
95	<400> SEQUENCE: 2						
96	tttcctca	gactataaaa	gaatagagaa	ggaaggcctt	cagtgaccgg	50	
98	ctgcctggct	gacttacagc	agtca	agactc	tgacaggatc	atggctatga	100
100	tggaggtcca	ggggggaccc	agcctggac	agac	ctgcgt	gctgatcg	150
102	atcttcacag	tgctcctgca	gtctctgt	gtggctgtaa	cttacgtgt	200	
104	ctttaccaac	gagctgaagc	agatgcagga	caag	tactcc	aaaagtggca	250
106	ttgcttgttt	cttaaaagaa	gatgacagtt	attgggaccc	caatgacgaa	300	
108	gagagtatga	acagccctg	ctggcaagtc	aagtggcaac	tccgtcagct	350	
110	cgttagaaag	atgat	tttga	gaacctctga	ggaaaccatt	tctacagttc	400
112	aagaaaagca	acaaaatatt	tctcccttag	tgagagaaaag	aggtcctcag	450	
114	agagtagcag	ctcacataac	tgggaccaga	ggaagaagca	acacatgtc	500	
116	ttctccaaac	tccaa	gaaat	aaaaggctct	ggccgc	aaaaactcct	550
118	ggaaatc	atc	aaggagtggg	cattcattcc	tgagcaactt	gcacttgagg	600
120	aatgg	tggtcatcc	taaaaaagg	tttactaca	tctattcc	650	
122	aacatactt	cgatttcagg	aggaaaataaa	agaaaacaca	aagaacgaca	700	
124	aacaaatgg	ccaat	atatt	tacaataca	caagttatcc	tgaccctata	750
126	ttgttgatga	aaagt	ctgtag	aaatagtgt	tggctaa	atgcagaata	800
128	tggactctat	tccatctatc	aaggggaaat	atttgagctt	aaggaaaatg	850	
130	acagaattt	tgttctgt	acaaatgagc	acttgataga	catggaccat	900	
132	gaagccagtt	tttcgggc	cttttagtt	ggctaactga	cctggaaaga	950	
134	aaaagcaata	acctcaa	agt	gactattcag	tttcaggat	gatacactat	1000
136	gaagatgtt	caaaaaatct	gaccaaaaca	aacaaacaga	aa	1042	
138	<210> SEQ ID NO: 3						
139	<211> LENGTH: 390						
140	<212> TYPE: DNA						
141	<213> ORGANISM: Homo sapiens						
143	<400> SEQUENCE: 3						
144	gggaccccaa	tgac	gaagag	agtatgaa	aca	gcccctgctg	50
146	tggcaactcc	gtc	ca	gct	gt	atggctgagg	100
148	aaccatttct	acagttcaag	aaaagcaaca	aaatatttct	cccctag	ta	150

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150 gagaagagg tcctcagaga gtagcagctc acataactgg gaccagagga 200  
 152 agaagcaaca cattgtcttc tccaaactcc aagaatgaaa aggctctggg 250  
 154 ccgcaaaaata aactcctggg aatcatcaag gagtgggcat tcattcctga 300  
 156 gcaacttgca cttgaggaat ggtgaactgg tcatccatga aaaagggttt 350  
 158 tactacatct attcccaaac atacttcga tttcaggagg 390  
 160 <210> SEQ ID NO: 4  
 161 <211> LENGTH: 60  
 162 <212> TYPE: DNA  
 163 <213> ORGANISM: Artificial Sequence  
 165 <220> FEATURE:  
 166 <223> OTHER INFORMATION: Sequence is synthesized  
 168 <400> SEQUENCE: 4  
 169 tgacgaagag agtatgaaca gcccctgctg gcaagtcaag tggcaactcc 50  
 171 gtcagtcgt 60  
 173 <210> SEQ ID NO: 5  
 174 <211> LENGTH: 60  
 175 <212> TYPE: DNA  
 176 <213> ORGANISM: Artificial Sequence  
 178 <220> FEATURE:  
 179 <223> OTHER INFORMATION: Sequence is synthesized  
 181 <400> SEQUENCE: 5  
 182 ggtgaactgg tcatccatga aaaagggttt tactacatct attcccaaac 50  
 184 atacttcga 60  
 186 <210> SEQ ID NO: 6  
 187 <211> LENGTH: 13  
 188 <212> TYPE: PRT  
 189 <213> ORGANISM: Artificial Sequence  
 191 <220> FEATURE:  
 192 <223> OTHER INFORMATION: Sequence is synthesized  
 194 <400> SEQUENCE: 6  
 195 Ser Met Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn  
 196 1 5 10  
 198 <210> SEQ ID NO: 7  
 199 <211> LENGTH: 27  
 200 <212> TYPE: PRT  
 201 <213> ORGANISM: Artificial Sequence  
 203 <220> FEATURE:  
 204 <223> OTHER INFORMATION: Sequence is synthesized  
 206 <400> SEQUENCE: 7  
 207 Lys Tyr Ala Leu Ala Asp Ala Ser Leu Lys Met Ala Asp Pro Asn  
 208 1 5 10 15  
 210 Arg Phe Arg Gly Lys Asp Leu Pro Val Leu Asp Gln  
 211 20 25  
 213 <210> SEQ ID NO: 8  
 214 <211> LENGTH: 24  
 215 <212> TYPE: PRT  
 216 <213> ORGANISM: Artificial Sequence  
 218 <220> FEATURE:  
 219 <223> OTHER INFORMATION: Sequence is synthesized

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221 <400> SEQUENCE: 8

222 Met Gly His His His His His His His His Ser Ser Gly  
 223 1 5 10 15  
 225 His Ile Asp Asp Asp Asp Lys His Met  
 226 20

228 <210> SEQ ID NO: 9

229 <211> LENGTH: 175

230 <212> TYPE: PRT

231 <213> ORGANISM: Homo sapiens

233 <400> SEQUENCE: 9

234 Asp Pro Ala Gly Leu Leu Asp Leu Arg Gln Gly Met Phe Ala Gln  
 235 1 5 10 15  
 237 Leu Val Ala Gln Asn Val Leu Leu Ile Asp Gly Pro Leu Ser Trp  
 238 20 25 30  
 240 Tyr Ser Asp Pro Gly Leu Ala Gly Val Ser Leu Thr Gly Gly Leu  
 241 35 40 45  
 243 Ser Tyr Lys Glu Asp Thr Lys Glu Leu Val Val Ala Lys Ala Gly  
 244 50 55 60  
 246 Val Tyr Tyr Val Phe Phe Gln Leu Glu Leu Arg Arg Val Val Ala  
 247 65 70 75  
 249 Gly Glu Gly Ser Gly Ser Val Ser Leu Ala Leu His Leu Gln Pro  
 250 80 85 90  
 252 Leu Arg Ser Ala Ala Gly Ala Ala Ala Leu Ala Leu Thr Val Asp  
 253 95 100 105  
 255 Leu Pro Pro Ala Ser Ser Glu Ala Arg Asn Ser Ala Phe Gly Phe  
 256 110 115 120  
 258 Gln Gly Arg Leu Leu His Leu Ser Ala Gly Gln Arg Leu Gly Val  
 259 125 130 135  
 261 His Leu His Thr Glu Ala Arg Ala Arg His Ala Trp Gln Leu Thr  
 262 140 145 150  
 264 Gln Gly Ala Thr Val Leu Gly Leu Phe Arg Val Thr Pro Glu Ile  
 265 155 160 165  
 267 Pro Ala Gly Leu Pro Ser Pro Arg Ser Glu  
 268 170 175

270 <210> SEQ ID NO: 10

271 <211> LENGTH: 132

272 <212> TYPE: PRT

273 <213> ORGANISM: Homo sapiens

275 <400> SEQUENCE: 10

276 Val Ser His Arg Tyr Pro Arg Ile Gln Ser Ile Lys Val Gln Phe  
 277 1 5 10 15  
 279 Thr Glu Tyr Lys Lys Glu Lys Gly Phe Ile Leu Thr Ser Gln Lys  
 280 20 25 30  
 282 Glu Asp Glu Ile Met Lys Val Gln Asn Asn Ser Val Ile Ile Asn  
 283 35 40 45  
 285 Cys Asp Gly Phe Tyr Leu Ile Ser Leu Lys Gly Tyr Phe Ser Gln  
 286 50 55 60  
 288 Glu Val Asn Ile Ser Leu His Tyr Gln Lys Asp Glu Glu Pro Leu  
 289 65 70 75

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291 Phe Gln Leu Lys Lys Val Arg Ser Val Asn Ser Leu Met Val Ala  
 292 80 85 90  
 294 Ser Leu Thr Tyr Lys Asp Lys Val Tyr Leu Asn Val Thr Thr Asp  
 295 95 100 105  
 297 Asn Thr Ser Leu Asp Asp Phe His Val Asn Gly Gly Glu Leu Ile  
 298 110 115 120  
 300 Leu Ile His Gln Asn Pro Gly Glu Phe Cys Val Leu  
 301 125 130  
 303 <210> SEQ ID NO: 11  
 304 <211> LENGTH: 151  
 305 <212> TYPE: PRT  
 306 <213> ORGANISM: Homo sapiens  
 308 <400> SEQUENCE: 11  
 309 Gln Gln Gln Leu Pro Leu Glu Ser Leu Gly Trp Asp Val Ala Glu  
 310 1 5 10 15  
 312 Leu Gln Leu Asn His Thr Gly Pro Gln Gln Asp Pro Arg Leu Tyr  
 313 20 25 30  
 315 Trp Gln Gly Gly Pro Ala Leu Gly Arg Ser Phe Leu His Gly Pro  
 316 35 40 45  
 318 Glu Leu Asp Lys Gly Gln Leu Arg Ile His Arg Asp Gly Ile Tyr  
 319 50 55 60  
 321 Met Val His Ile Gln Val Thr Leu Ala Ile Cys Ser Ser Thr Thr  
 322 65 70 75  
 324 Ala Ser Arg His His Pro Thr Thr Leu Ala Val Gly Ile Cys Ser  
 325 80 85 90  
 327 Pro Ala Ser Arg Ser Ile Ser Leu Leu Arg Leu Ser Phe His Phe  
 328 95 100 105  
 330 His Gln Gly Cys Thr Ile Val Ser Gln Arg Leu Thr Pro Leu Ala  
 331 110 115 120  
 333 Arg Gly Asp Thr Leu Cys Thr Asn Leu Thr Gly Thr Leu Leu Pro  
 334 125 130 135  
 336 Ser Arg Asn Thr Asp Glu Thr Phe Phe Gly Val Gln Trp Val Arg  
 337 140 145 150  
 339 Pro  
 342 <210> SEQ ID NO: 12  
 343 <211> LENGTH: 148  
 344 <212> TYPE: PRT  
 345 <213> ORGANISM: Homo sapiens  
 347 <400> SEQUENCE: 12  
 348 Leu Cys Ile Leu Lys Arg Ala Pro Phe Lys Lys Ser Trp Ala Tyr  
 349 1 5 10 15  
 351 Leu Gln Val Ala Lys His Leu Asn Lys Thr Lys Leu Ser Trp Asn  
 352 20 25 30  
 354 Lys Asp Gly Ile Leu His Gly Val Arg Tyr Gln Asp Gly Asn Leu  
 355 35 40 45  
 357 Val Ile Gln Phe Pro Gly Leu Tyr Phe Ile Ile Cys Gln Leu Gln  
 358 50 55 60  
 360 Phe Leu Val Gln Cys Pro Asn Asn Ser Val Asp Leu Lys Leu Glu  
 361 65 70 75

**VERIFICATION SUMMARY**

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